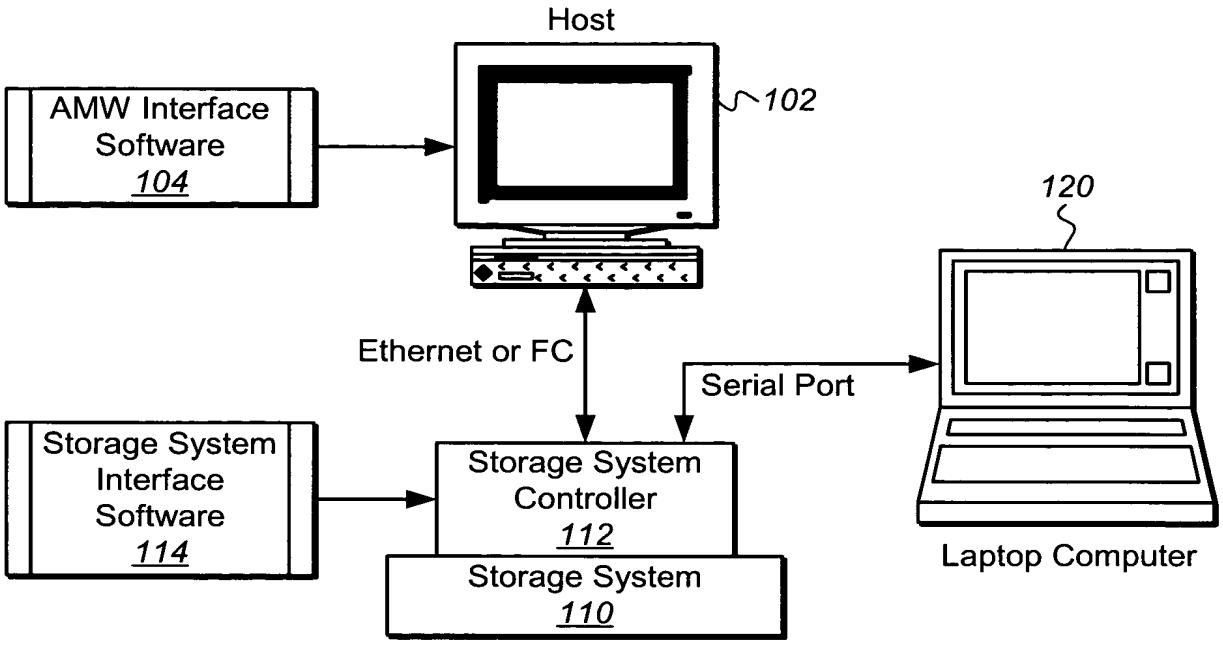
Host
AMW Interface Software
104
102
120
Ethernet or FC
Serial Port
Storage System Interface Software
114
Storage System Controller
112
Storage System
110
Laptop Computer

FIG._1

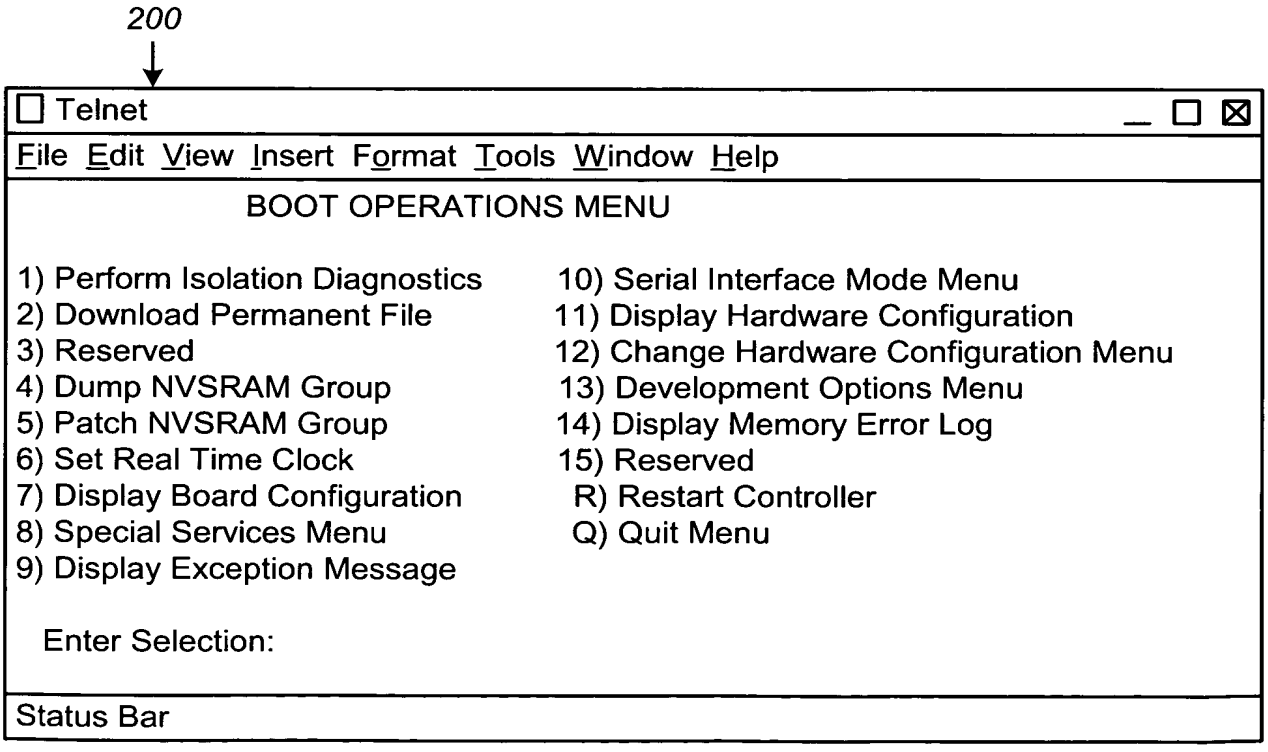
200
Telnet
File Edit View Insert Format Tools Window Help
BOOT OPERATIONS MENU
1) Perform Isolation Diagnostics
2) Download Permanent File
3) Reserved
4) Dump NVSRAM Group
5) Patch NVSRAM Group
6) Set Real Time Clock
7) Display Board Configuration
8) Special Services Menu
9) Display Exception Message
10) Serial Interface Mode Menu
11) Display Hardware Configuration
12) Change Hardware Configuration Menu
13) Development Options Menu
14) Display Memory Error Log
15) Reserved
R) Restart Controller
Q) Quit Menu
Enter Selection:
Status Bar

FIG._2

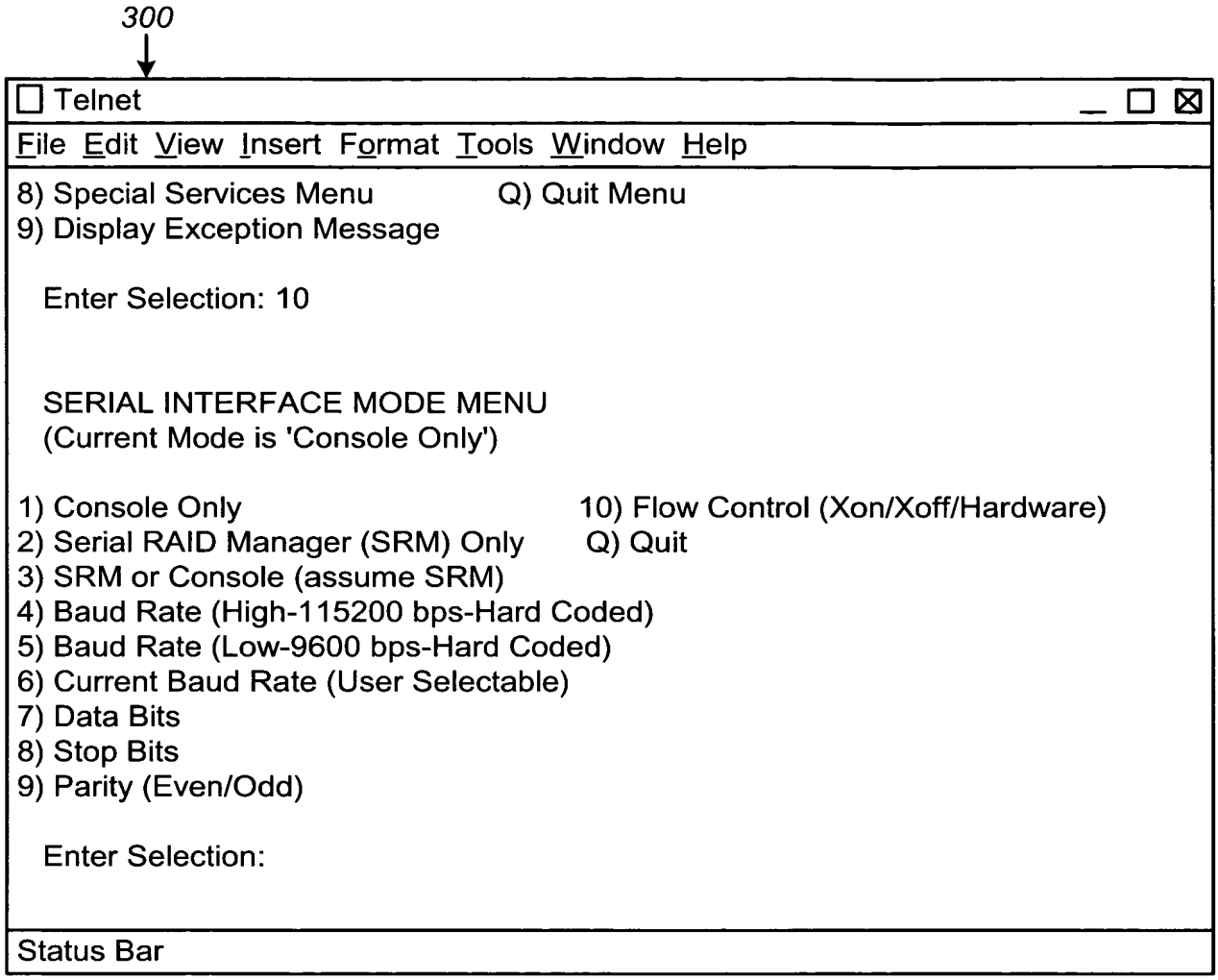
300
Telnet
File Edit View Insert Format Tools Window Help
8) Special Services Menu
Q) Quit Menu
9) Display Exception Message
Enter Selection: 10
SERIAL INTERFACE MODE MENU
(Current Mode is 'Console Only')
1) Console Only
10) Flow Control (Xon/Xoff/Hardware)
2) Serial RAID Manager (SRM) Only
Q) Quit
3) SRM or Console (assume SRM)
4) Baud Rate (High-115200 bps-Hard Coded)
5) Baud Rate (Low-9600 bps-Hard Coded)
6) Current Baud Rate (User Selectable)
7) Data Bits
8) Stop Bits
9) Parity (Even/Odd)
Enter Selection:
Status Bar

FIG._3

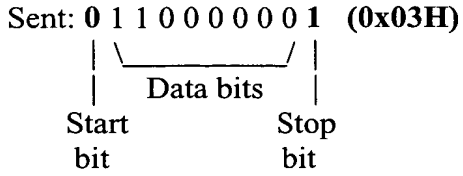

FIG._4A

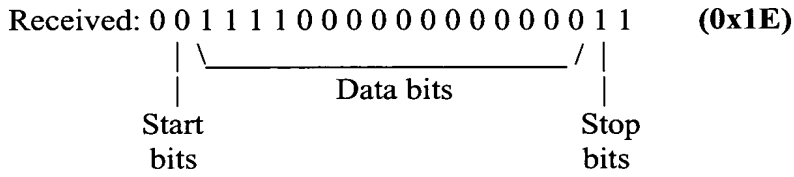

FIG._4B

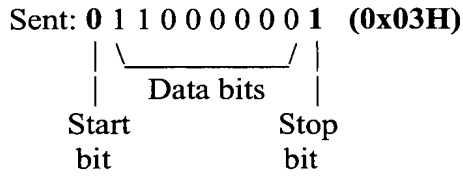

FIG._5A

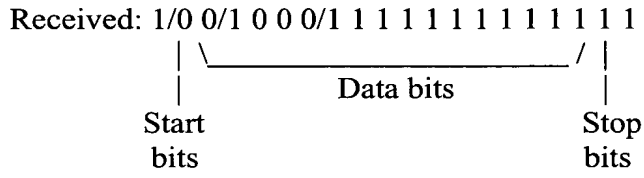

FIG._5B

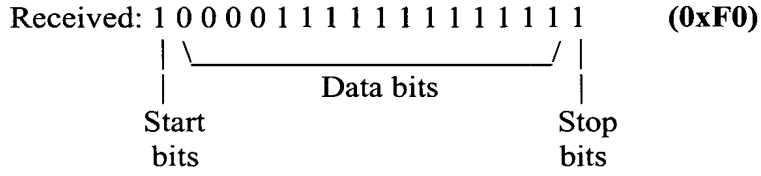

FIG._5C

Sender baud	Receiver baud	Sent pattern	Received pattern	Timer value	Algorithm
19200	9600	0x03h	0xF0	T/2	2bits sent by sender will be 1bit received at the receiver
9600	9600	0x03h	0x03h	T	Bits sent = Bits received
19200	38400	0x03h	0x1Eh	2T	For every bit sent by the sender, the receiver will get 2 bits
2400	9600	0x03h	0xF8	4T	For every bit sent by the sender, the receiver will get 2 bits

FIG._6

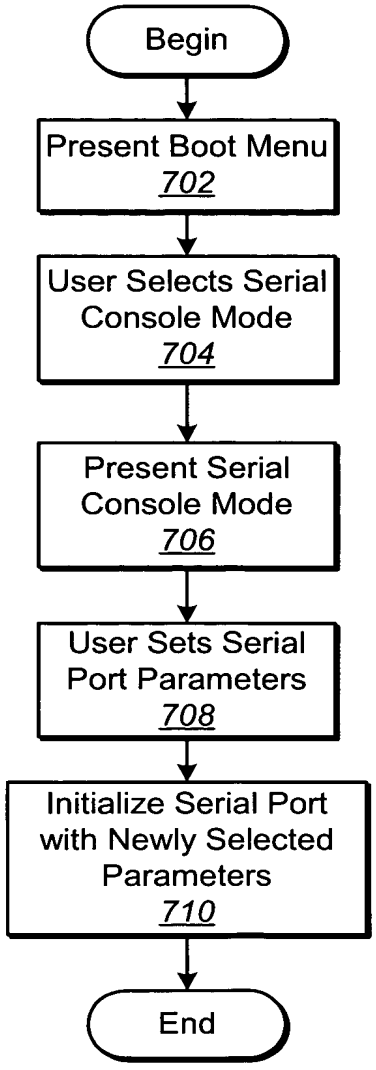

FIG._7

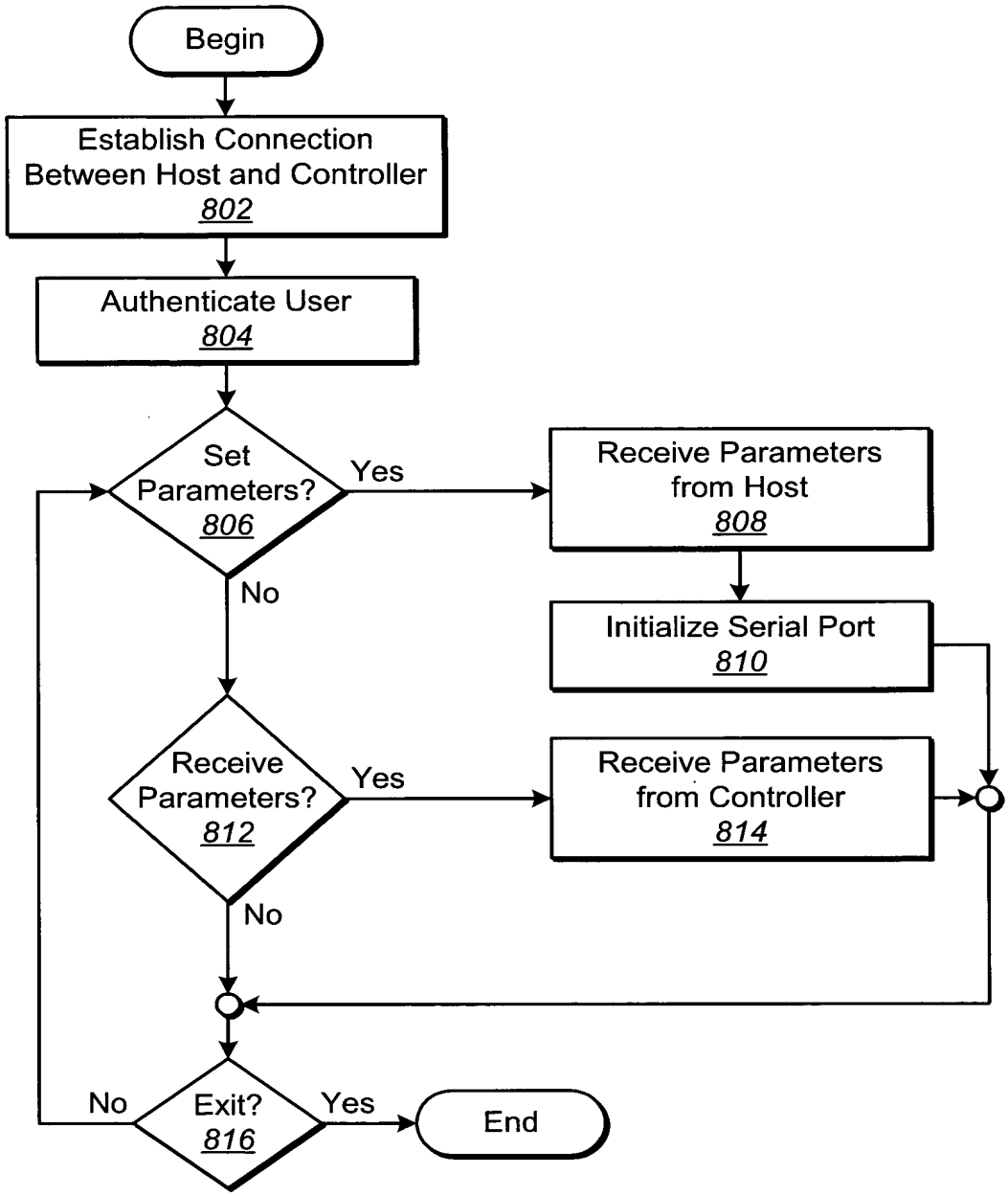
Begin
Establish Connection Between Host and Controller
802
Authenticate User
804
Set Parameters?
806
Yes
Receive Parameters from Host
808
No
Initialize Serial Port
810
Receive Parameters?
812
Yes
Receive Parameters from Controller
814
No
Exit?
816
No
Yes
End

FIG._8

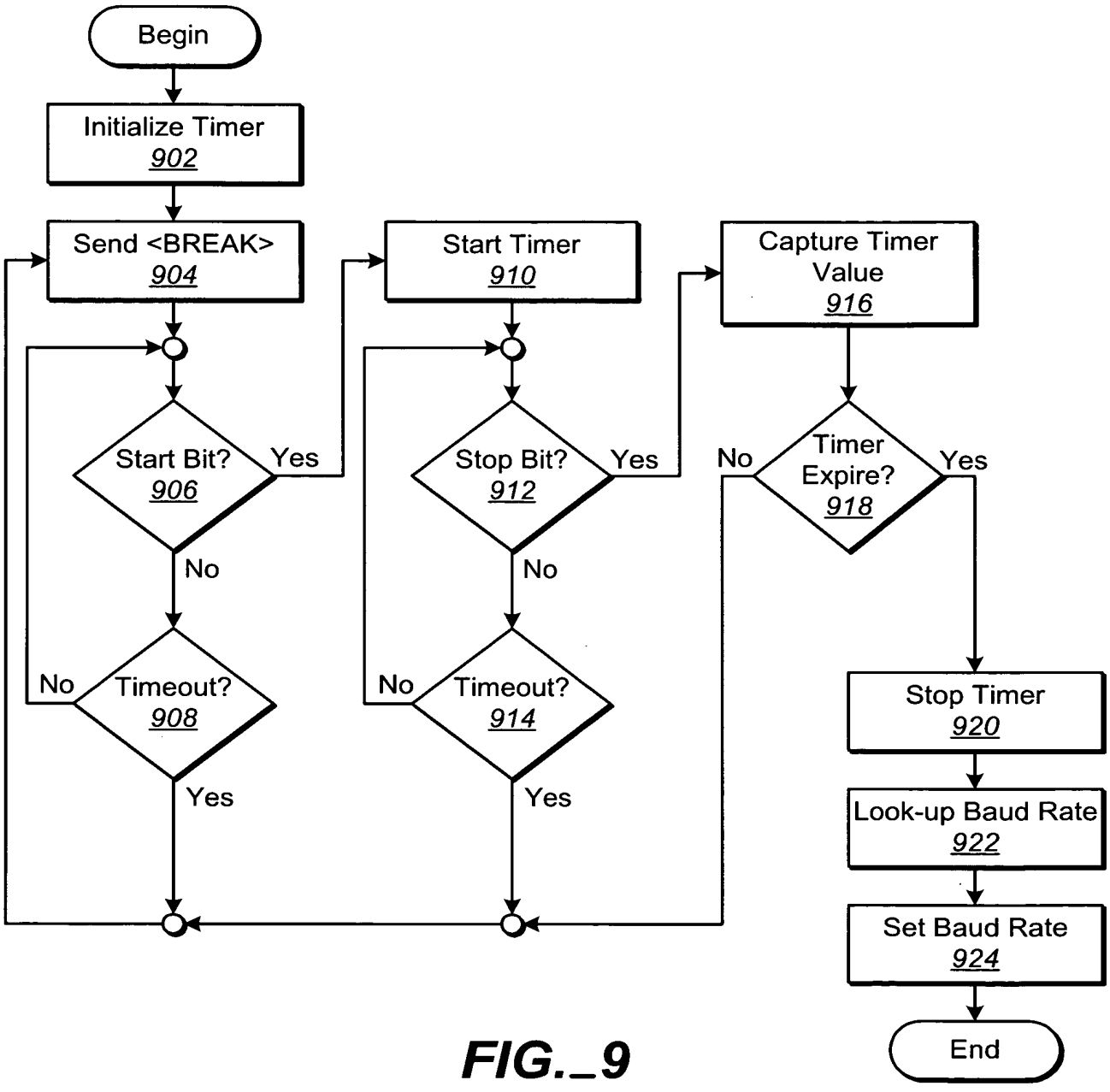
Begin
Initialize Timer
902
Send <BREAK>
904
Start Bit?
906
Yes
No
Timeout?
908
No
Yes
Start Timer
910
Stop Bit?
912
Yes
No
Timeout?
914
No
Yes
Capture Timer Value
916
Timer Expire?
918
No
Yes
Stop Timer
920
Look-up Baud Rate
922
Set Baud Rate
924
End

FIG._9